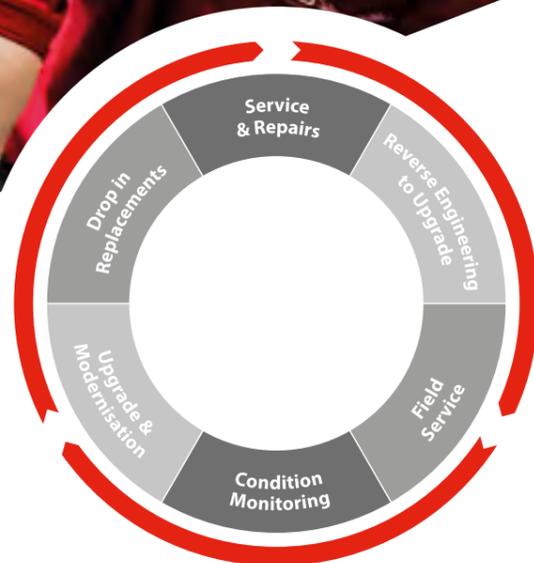




Cement  
Chemicals  
Defence  
Fibre, paper & tissue  
Food & beverage  
Marine & port operations  
Metals  
Mining & minerals  
Oil & gas  
Panelboard  
Power generation  
Rail  
Rubber  
Sugar  
Water & wastewater

## Service and Repair

Rapid, global service support  
for all industrial gearbox brands



With almost three centuries of combined gearbox design and manufacturing expertise, David Brown Santasalo has an unparalleled insight into the environments in which gearboxes operate.

Our knowledge and experience across a wide range of industries makes us the service provider of choice for many of the world's leading industrial companies. Our global service network enables us to support you with technical gearing expertise wherever you are in the world, in the shortest possible time.

Throughout our long history, we have acquired, launched and operated under a number of global brands which we can provide expert gearbox services for:

- |                                      |                       |                           |
|--------------------------------------|-----------------------|---------------------------|
| AEI (Associated Electric Industries) | Hygate Transmissions  | Sadi                      |
| ASEA                                 | Jackson Gears         | Sala                      |
| Benoni Engineering Works             | John Welsh            | Santasalo                 |
| Bostock and Bramley                  | Maag Italia           | Sonnerdale Richardson     |
| BTH (British Thomson Houston)        | Metso Drives          | Sauerwald                 |
| David Brown                          | Metropolitan Vickers  | Turbine Gears             |
| GEC Alstom Gears                     | Modern Wheel Drive    | SAWA                      |
| GEC Marine & Industrial Gears        | Moventas (Industrial) | Valmet Power Transmission |
| Hamworthy Transmissions              | Paramount Gears       | Wärtsilä                  |
|                                      | Power Plant Gears     | Weeco                     |
|                                      | Rauma Repola          |                           |

Through high quality engineering, we deliver solutions to problems, minimising downtime and ensuring long-term availability. Regardless of brand, our service support teams provide an honest, professional perspective on any issue.

### Global gearing. Local support

When you're in need of gearbox support, fast response is key to ensuring your equipment is back up and running in the shortest possible time. David Brown Santasalo has service and repair centres covering six continents and is one of the only gearbox manufacturers to operate a dedicated global service team.

Our global service centre footprint ensures we are well equipped to service, repair and overhaul many types of gear units, wherever you are in the world. With service centres in our customers' localities, we can deliver fast response from a local team of service professionals.

- |                                      |                          |                |
|--------------------------------------|--------------------------|----------------|
| <b>● Manufacturing &amp; service</b> | <b>● Service centers</b> | <b>○ Sales</b> |
| Australia                            | Australia                | Finland        |
| Canada                               | Canada                   | France         |
| China                                | Chile                    | Malaysia       |
| Finland                              | China                    | Peru           |
| India                                | Finland                  | Russia         |
| South Africa                         | Germany                  | Sweden         |
| UK                                   | Indonesia                | Turkey         |
|                                      | Philippines              |                |
|                                      | Russia                   |                |
|                                      | Sweden                   |                |
|                                      | USA                      |                |

## Inspection

Using state of the art equipment, our global team of specialist engineers provide the very best inspection services available. Our trained experts use state of the art video and vibration monitoring technology to determine the condition of internal parts. We will then provide honest, professional recommendations to help you achieve maximum production capacity.

### Key features

- Vibration analysis of key components including main bearings, gearbox and generator
- A detailed report on gearbox condition
- Visual inspection of drive-train components and operating environment
- Service available for any gearbox brand, right across the globe

## Field service

David Brown Santasalo's dedicated site service engineers are available to support you 24/7, right across the globe. Our highly trained engineers work on-site with your personnel to solve any gearbox issues, helping you achieve maximum performance with minimal downtime.

Through troubleshooting, failure analysis and gearbox inspections, our team of engineers ensures your gearbox is delivering high performance.

### Key features

- 24/7 rapid global support
- Tailored to fit customer needs; from installation and training, routine maintenance and inspection services, failure analysis and emergency services
- Fully qualified service engineers with Basic Offshore Safety Induction and Emergency Training (BOSIET) where necessary

## Repair

With almost three centuries of combined gear engineering experience, David Brown Santasalo can provide repair services for any industrial gearbox make, model or brand. Our team of experienced engineers are often able to conduct repairs in-situ, ensuring that your equipment is repaired in the shortest possible time. If this isn't possible, we have a global network of service centres to help get your gearbox back up and running.

Repairing an existing gearbox can be a much faster and more cost effective way of bringing your availability back to 100%, compared with a replacement unit. Wherever you are, our engineers will repair your gearbox in the most efficient way.

### Key features

- Repair of any type and brand of industrial gearbox
- Short turnaround times
- 24/7 emergency service
- Extensive OEM gearbox expertise
- Global service network

## Reverse engineering and upgrade

Using our extensive engineering expertise, David Brown Santasalo can re-engineer any gearbox to upgrade performance and increase availability. We are able to design and manufacture new, upgraded parts for any brand or model in any industry to ISO standards at our global gear manufacturing centres.

Upgrading an older gearbox not only reduces the risk of failure but can also deliver significant performance improvements.

### Key features

- Gearbox upgrades for any industrial gearbox
- Improved gearbox performance
- Establish root cause of failure and engineer performance improvements
- Rework older gearbox models to current and future standards
- Reconfiguration of your gearbox to engineer out any original design flaws
- Gearbox upgrades to suit a change in your process, duty cycle or working environment

## Spares

In case of an unexpected failure or a swap during a maintenance window, we can provide high quality spare parts. We use only the highest quality materials and advanced hardening techniques, and will never compromise on quality and reliability. Using our own spare parts, original spare parts or re-engineered parts, we can help to reduce downtime and maintain a high level of availability.

### Key features

- High quality materials
- State of the art production facilities
- Advanced production and hardening techniques
- Spare parts for our heritage brands

## Proactive asset management

To help keep repair and maintenance costs to a minimum, we provide asset management services that proactively look after your gearbox and ensure maximum operational capacity. Catching potential problems early can prevent gearbox failure and with our asset management services, we work with you to develop a regular maintenance regime.

### Key features

- Services available for industrial gearboxes in any industry or application
- Gearbox problems identified and solved before failure occurs
- Maximises your equipment's availability and minimises total cost of ownership throughout the life of your gearbox
- GearWatch remote condition monitoring service

## Installation & commissioning

Productivity and performance are reliant upon correct installation. Our trained experts will ensure your new, upgraded, or repaired equipment is professionally installed to the highest standards. Throughout the installation process, we guarantee all warranty provisions are met.

### Key features

- All warranty provisions met
- Trained experts adhering to the highest standards



### Europe

**Finland**  
**Jyväskylä, Hyvinkää & Tornio**  
T: +358 293 401000  
E: finland@dbsantasalo.com

**France**  
**Bordeaux**  
T: +33 547 745 402  
E: france@dbsantasalo.com

**Germany**  
**Wuppertal**  
T: +49 202 24 14 0  
E: germany@dbsantasalo.com

**Russia**  
**Saint-Petersburg,  
Novokuznetsk**  
T: +7 812 612 25 30  
E: russia@dbsantasalo.com

**Sweden**  
**Göteborg & Gällivare**  
T: +46 31 710 20 50  
E: sweden@dbsantasalo.com

**Turkey**  
**Istanbul**  
T: +90 216 514 80 08  
E: turkey@dbsantasalo.com

**UK**  
**Huddersfield**  
T: +44 1484 465500  
E: uk@dbsantasalo.com

### Americas

**Canada**  
**Cambridge, Ontario**  
T: +1 519 621 6390  
E: canada@dbsantasalo.com

**Canada**  
**Montreal**  
T: +1 514 457 7700  
E: canada@dbsantasalo.com

**Chile**  
**Santiago**  
T: +56 2 2234 5000  
E: chile@dbsantasalo.com

**Chile**  
**Antofagasta**  
T: +56 5 5249 2800  
E: chile@dbsantasalo.com

**Peru**  
**Arequipa**  
T: +51 9 7763 7240  
E: peru@dbsantasalo.com

**USA**  
**Greer SC, Salt Lake City UT**  
T: +1 864 627 1700  
E: usa@dbsantasalo.com

### Asia Pacific

**Australia**  
**Bullli & Melbourne**  
T: +61 2 4283 0300  
E: australia@dbsantasalo.com

**Australia**  
**Mackay**  
T: +61 7 4842 3222  
E: australia@dbsantasalo.com

**Australia**  
**Perth**  
T: +61 8 9365 5555  
E: australia@dbsantasalo.com

**China**  
**Suzhou**  
T: +86 512 6299 8852  
E: suzhou@dbsantasalo.com

**China**  
**Tianjin**  
T: +86 135 1245 2820  
E: tianjin@dbsantasalo.com

**India**  
**Hosur, Tamil Nadu**  
T: +91 4344 277 740  
E: india@dbsantasalo.com

**Indonesia**  
**Surabaya**  
T: +62 31 8910977  
E: indonesia@dbsantasalo.com

**Malaysia**  
**Kuala Lumpur**  
T: +60 (3) 9207 9700  
E: malaysia@dbsantasalo.com

**Philippines**  
**Subic Bay**  
T: +63 047 250 2407  
E: philippines@dbsantasalo.com

### Africa

**South Africa**  
**Benoni**  
T: +27 11 748 0000  
E: salessa@dbsantasalo.com

GearWatch Condition  
Monitoring:

